



COPY OF PAPERS  
ORIGINALLY FILED

IN THE CLAIMS:

Please amend Claims 1, 14, 27 and 40, as shown in the attached Appendix,  
cancel Claims 5, 18, 28 to 39 and 41 to 52 without prejudice or disclaimer of subject  
matter, and add new Claims 54 and 55. The claims, as pending in the subject application,  
read as follows:

RECEIVED

JUL 30 2002

1. (Amended) A communication system which has a plurality of Technology Center 2600  
communication apparatuses and performs communication on the basis of system  
identification information assigned to said communication system, comprising:  
requesting means for requesting group communication in a group by  
forming the group of a part of communication apparatuses in said communication system;  
assigning means for assigning group identification information to manage  
the group communication in response to the request; and  
communicating means for performing the group communication in the  
group on the basis of the group identification information assigned by said assigning  
means,  
wherein said assigning means assigns the group identification information  
whenever the group is formed.

2. (Not Amended From Previous Version) The system according to claim 1,  
wherein said communicating means performs multi-address calling in the group.

3. (Not Amended From Previous Version) The system according to claim 1, further comprising a communication control apparatus having informing means for informing a communication apparatus, which has transmitted the request, of the group identification information.

4. (Not Amended From Previous Version) The system according to claim 1, wherein said communication apparatus inquires of other communication apparatuses whether the apparatuses participate in the group communication, and assigns the group identification information in accordance with responses.

↓  
5. Cancelled.

6. (Not Amended From Previous Version) The system according to claim 1, wherein said assigning means releases the assigned group identification information when the group communication is complete.

7. (Not Amended From Previous Version) The system according to claim 1, wherein said communicating means performs radio communication.

8. (Not Amended From Previous Version) The system according to claim 7, wherein the radio communication is frequency hopping communication.

9. (Not Amended From Previous Version) The system according to claim 8, further comprising a communication control apparatus for assigning a hopping pattern to each group.

10. (Not Amended From Previous Version) The system according to claim 9, wherein said communicating means performs the frequency hopping radio communication in synchronism with said communication control apparatus.

11. (Not Amended From Previous Version) The system according to claim 8, wherein information transmission right in the group communication is assigned to each communication apparatus at each frequency.

12. (Not Amended From Previous Version) The system according to claim 8, wherein said communicating means performs communication by using a communication frame for communicating information, and information transmission right in the group communication is assigned to each communication apparatus in accordance with a time during which one communication frame is communicated.

13. (Not Amended From Previous Version) The system according to claim 1, wherein the group communication is performed on the basis of accounting information.

13

14. (Amended) A communication apparatus which performs communication on the basis of system identification information assigned to a communication system having a plurality of communication apparatuses, comprising:

requesting means for requesting group communication in a group by forming the group of a part of communication apparatuses in said communication system; assigning means for assigning group identification information to manage the group communication in response to the request; and communicating means for performing the group communication in the group on the basis of the group identification information assigned by said assigning means,

wherein said assigning means assigns the group identification information whenever the group is formed.

15. (Not Amended From Previous Version) The apparatus according to claim 14, wherein said communicating means performs multi-address calling in the group.

16. (Not Amended From Previous Version) The apparatus according to claim 14, where said communication system comprises a communication control apparatus having informing means for informing a communication apparatus, which has transmitted the request, of the group identification information.

17. (Not Amended From Previous Version) The apparatus according to claim 14, wherein said communication apparatus inquires of other communication

apparatuses whether the apparatuses participate in the group communication, and assigns the group identification information in accordance with responses.

↓  
18. Cancelled.

¶ 19. (Not Amended From Previous Version) The apparatus according to claim 14, wherein said assigning means releases the assigned group identification information when the group communication is complete.

¶ 20. (Not Amended From Previous Version) The apparatus according to claim 14, wherein said communicating means performs radio communication.

¶ 21. (Not Amended From Previous Version) The apparatus according to claim 20, wherein the radio communication is frequency hopping communication.

¶ 22. (Not Amended From Previous Version) The apparatus according to claim 21, wherein said communication system comprises a communication control apparatus for assigning a hopping pattern to each group and, said communicating means performs communication on the basis of the hopping pattern assigned by said communication control apparatus.

• 23. (Not Amended From Previous Version) The apparatus according to claim 22, wherein said communicating means performs the frequency hopping radio communication in synchronism with said communication control apparatus.

• 24. (Not Amended From Previous Version) The apparatus according to claim 21, wherein information transmission right in the group communication is assigned to each communication apparatus at each frequency.

• 25. (Not Amended From Previous Version) The apparatus according to claim 21, wherein said communicating means performs communication by using a communication frame for communicating information, and information transmission right in the group communication is assigned to each communication apparatus in accordance with a time during which one communication frame is communicated.

• 26. (Not Amended From Previous Version) The apparatus according to claim 14, wherein the group communication is performed on the basis of accounting information.

<sup>25</sup>  
~~27~~. (Amended) A method of controlling a communication system which has a plurality of communication apparatuses and performs communication on the basis of system identification information assigned to said communication system, comprising the steps of:

requesting group communication in a group by forming the group of a part  
of communication apparatuses in said communication system;

assigning group identification information to manage the group  
communication in response to the request; and

performing the group communication in the group on the basis of the group  
identification information assigned in the assignment step,

wherein the assignment step comprises assigning the group identification  
information whenever the group is formed.

28. Cancelled.

29. Cancelled.

30. Cancelled.

31. Cancelled.

32. Cancelled.

33. Cancelled.

34. Cancelled.

35. Cancelled.

36. Cancelled.

37. Cancelled.

38. Cancelled.

39. Cancelled.

26

40. (Amended) A method of controlling a communication apparatus which performs communication on the basis of system identification information assigned to a communication system having a plurality of communication apparatuses, the method comprising the steps of:

A5 requesting group communication in a group by forming the group of a part of communication apparatuses in said communication system;

assigning group identification information to manage the group communication in response to the request; and

performing the group communication in the group on the basis of the group identification information assigned in the assignment step,

wherein the assignment step comprises assigning the group identification information whenever the group is formed.



✓  
41. Cancelled.

✓  
42. Cancelled.

✓  
43. Cancelled.

✓  
44. Cancelled.

✓  
45. Cancelled.

✓  
46. Cancelled.

✓  
47. Cancelled.

✓  
48. Cancelled.

✓  
49. Cancelled.

✓  
50. Cancelled.

✓  
51. Cancelled.

✓  
52. Cancelled.

A

53. (Not Amended From Previous Version) A computer program product comprising a computer usable medium having computer readable program code means for performing communication on the basis of system identification information assigned to a communication system having a plurality of communication apparatuses, said computer readable program code means including:

first computer readable program code means for requesting group communication in a group by forming the group of an arbitrary number of communication apparatuses in said communication system;

second computer readable program code means for assigning group identification information to manage the group communication in response to the request; and

third computer readable program code means for performing the group communication in the group on the basis of the assigned group identification information.

28

54. (New) A communication system which has a plurality of communication apparatuses and performs communication on the basis of the system identification information assigned to said communication system, comprising;

requesting means for requesting group communication in a group by forming the group of a part of communication apparatuses in said communication system;

assigning means for assigning group identification information to manage the group communication in response to the request; and